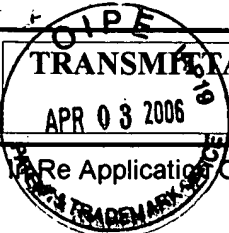


IFW

 TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c))					Docket No. 17076	
Re Application Of: Kaoru Uchida						
Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.	
10/672,550	September 26, 2003	Joseph Mancuso	23389	2624	3731	
Title: FINGERPRINT AUTHENTICATION METHOD, PROGRAM AND DEVICE CAPABLE OF JUDGING INEXPENSIVELY WHETHER INPUT IMAGE IS PROPER OR NOT						
Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450						
37 CFR 1.97(b)						
1. <input checked="" type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.						
37 CFR 1.97(c)						
2. <input type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:						
<div style="margin-left: 40px;"> <input type="checkbox"/> the statement specified in 37 CFR 1.97(e); </div>						
OR						
<div style="margin-left: 40px;"> <input type="checkbox"/> the fee set forth in 37 CFR 1.17(p). </div>						

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
17076

Re Application of: **Kaoru Uchida**

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/672,550	September 26, 2003	Joseph Mancuso	23389	2624	3731

Title:

FINGERPRINT AUTHENTICATION METHOD, PROGRAM AND DEVICE CAPABLE OF JUDGING INEXPENSIVELY WHETHER INPUT IMAGE IS PROPER OR NOT

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of _____ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 19-1013/SSMP as described below.
- ☐ Charge the amount of _____
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.
- ☐ Payment by credit card. Form PTO-2038 is attached.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Certificate of Transmission by Facsimile*

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fax No. _____) on _____ (Date) _____ Signature _____
Typed or Printed Name of Person Signing Certificate

Certificate of Mailing by First Class Mail

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on _____ March 30, 2006 _____ (Date) _____ Signature of Person Mailing Correspondence _____ Paul J. Esatto, Jr.
Typed or Printed Name of Person Mailing Certificate

***This certificate may only be used if paying by deposit account.**

Dated: **March 30, 2006**

Signature

Paul J. Esatto, Jr.
Registration No. 30,749
Scully, Scott, Murphy & Presser, P.C.
400 Garden City Plaza, Suite 300
Garden City, New York 11530
516-742-4343

CC:



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kaoru Uchida **Examiner:** Joseph Mancuso
Serial No.: 10/672,550 **Art Unit:** 2624
Filed: September 26, 2003 **Docket:** 17076
For: FINGERPRINT AUTHENTICATION **Dated:** March 30, 2006
METHOD, PROGRAM AND DEVICE
CAPABLE OF JUDGING INEXPENSIVELY
WHETHER INPUT IMAGE IS PROPER
OR NOT

Confirmation No.: 3731

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

STATEMENT PURSUANT TO 37 C.F.R. §1.704(d)

Sir:

I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement.

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: March 30, 2006



Paul J. Esatto, Jr.

Therefore, this Information Disclosure Statement cannot be considered a failure to engage in reasonable efforts to conclude prosecution of the application under paragraphs (c)(6), (c) (8), (c) (9), or (c) (10) of 37 C.F.R. § 1.704.

Respectfully submitted,



Paul J. Esatto, Jr.

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PJE:dg

UNITED STATES PATENT AND TRADEMARK OFFICE
VERIFICATION OF A TRANSLATION

I, Susan ANTHONY BA, ACIS,
Director of RWS Group Ltd, of Europa House, Marsham Way, Gerrards Cross,
Buckinghamshire, England hereby declare that:

My name and post office address are as stated below;

That the translator responsible for the attached translation is knowledgeable in the English language and in the Japanese language, and that, to the best of RWS Group Ltd knowledge and belief, the English translation of the marked portions of the attached Japanese document is true and complete.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date: March 28, 2006

Signature :



For and on behalf of RWS Group Ltd

Post Office Address :

Europa House, Marsham Way,
Gerrards Cross, Buckinghamshire,
England.

Notes (see list of cited documents etc.)

Regarding claims 1 to 27

Cited documents 1 to 3

1. Cited document 1 discloses in exemplary embodiment 5 that an input image is subjected to a Fourier transformation and is used as the quality index value on the basis of the size of the characteristic vector related to the ridge in the frequency range.

2. The inventions pertaining to claims 1, 2, 10, 11, 19 and 20 differ from cited document 1 in that there is an indication of a decision as to whether or not the suitability of the input has been determined and checked, but checking and matching the image quality is disclosed in cited document 2.

3. The inventions pertaining to claims 3, 12 and 21 are limited to searching for the coefficient of a conditional expression for distinguishing between the suitability and the unsuitability of the input, but using a conditional expression in order to determine suitability and establishing a coefficient thereof using a large amount of data is generally a commonly known technique, as disclosed in paragraph 16 of cited document 3, for example, and therefore no particular difficulty is found in applying this to cited documents 1 and 2.

4. The inventions pertaining to claims 4, 13 and 22 are limited to establishing an observation range, but establishing an image capture range in a fingerprint is

also disclosed in paragraph 13 of cited document 1, and since establishing the optimum range as the feature value lies within the scope of normal creativity, the abovementioned limits are not exceptional features.

5. The inventions pertaining to claims 5, 6, 14, 15, 23 and 24 are limited to average brightness values or the like as the feature value, but since using statistically processed data for average values or the like when making a distinction based on a plurality of sets of data is common knowledge, the abovementioned limits are not exceptional features.

6. The inventions pertaining to claims 7, 8, 16, 17, 25 and 26 are limited to the range corresponding to the synchronization or the like of the ridge as the spatial frequency band, but exemplary embodiment 5 of cited document 1 also discloses finding out said ridge from a range which exhibits ridge characteristics, and using it in the quality index value, and since using information relating to ridges and sweat gland pores as the feature value of fingerprints is common knowledge, the abovementioned limits are not exceptional features.

7. The inventions pertaining to claims 9, 18 and 27 are limited to requesting re-input, and this point is disclosed in cited document 2.

List of Cited Documents etc.

1. Japanese Unexamined Patent Application H10-177650
2. Japanese Unexamined Patent Application H08-129644
3. Japanese Unexamined Patent Application 2002-133417



THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kaoru Uchida **Examiner:** Joseph Mancuso
Serial No.: 10/672,550 **Art Unit:** 2624
Filed: September 26, 2003 **Docket:** 17076
For: FINGERPRINT AUTHENTICATION **Dated:** March 30, 2006
METHOD, PROGRAM AND DEVICE
CAPABLE OF JUDGING INEXPENSIVELY
WHETHER INPUT IMAGE IS PROPER
OR NOT

Confirmation No.: 3731

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

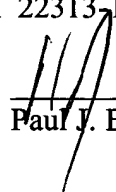
In accordance with 37 C.F.R §§1.97 and 1.98, it is requested that the following references, which are also listed on the attached Form PTO-1449, be made of record in the above-identified case.

1. Japanese Unexamined Patent Application No. H10-177650, dated June 30, 1998;
2. Japanese Unexamined Patent Application No. H08-129644, dated May 21, 1996; and
3. Japanese Unexamined Patent Application No. 2002-133417, dated May 10, 2002.

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: March 30, 2006



Paul J. Esatto, Jr.

The references were cited in an Office Action dated March 1, 2006 received from the Japanese Patent Office. Applicant is submitting a copy of the above-cited references, the Office Action, and an English translation of the Examiner's comments regarding the references from the Official Action. The relevance of the references is described in the Official Action.

In compliance with the requirements of 37 C.F.R. §1.98(a)(3), as a concise statement of relevance, as it is presently understood by the individual designated in 37 C.F.R. §1.56(c) most knowledgeable about the content of the information, the undersigned attorney of record submits a translation of portions of an official action by a foreign examiner in which the references were cited. The relevance to the pending U.S. patent application is that the references were cited in a foreign patent application on the same subject matter. However, no independent analysis of the references, the accuracy of the statement of the foreign examiner or the claims of the foreign application under the laws of that country or the United States relative to the subject matter claimed in the present application has been made; the present understanding of the contents thereof by the undersigned being based on the translation of the foreign examiner's comments submitted herewith.

The undersigned attorney hereby states that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

Further, inasmuch as this Information Disclosure Statement is also being submitted in accordance with the schedule set out in 37 C.F.R. §1.704(d), a statement is attached.

Respectfully submitted,

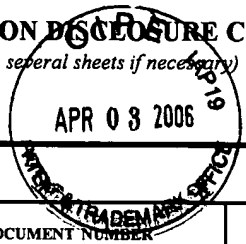


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PJE:dg

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				Docket Number (Optional) 17076		Application Number 10/672,550	
				Applicant(s) Kaoru Uchida			
				Filing Date September 26, 2003		Group Art Unit 2624	



U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
		H10-177650	6/30/98	Japan				✓
		H08-129644	5/21/96	Japan				✓
		2002-133417	5/10/02	Japan				✓

OTHER DOCUMENTS		<i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.